Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**1.1 Introduction to Euclid Homework**

Euclid was a Greek mathematician, often referred to as the "father of geometry". He was active in Alexandria during the reign of Ptolemy I (323–283 BCE). His *Elements* is one of the most influential works in the history of mathematics, serving as the main textbook for teaching mathematics (especially geometry) from the time of its publication until the late 19th or early 20th century.

1. How long ago was Euclid born?

Abraham Lincoln kept a copy of Euclid in his saddlebag, and studied it late at night by lamplight; he related that he said to himself, “You never can make a lawyer if you do not understand what demonstrate means; and I left my situation in Springfield, went home to my father's house, and stayed there till I could give any proposition in the six books of Euclid at sight.”

1. What does geometry have to do with being a lawyer?

Edna St. Vincent Millay wrote in her sonnet "Euclid alone has looked on Beauty bare.”

1. What did Edna St. Vincent Millay mean by “Beauty bare”?

Einstein recalled a copy of the *Elements* and a magnetic compass as two gifts that had a great influence on him as a boy, referring to the *Elements* as the "holy little geometry book".[18]

1. Why do you think Einstein called the *Elements* “holy”?